



PM Challenge

Constellation Space Transportation Planning Office CSTP Update

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ESMD and SOMD Engineering Role



Civil Service Engineering Involvement

LEO Development

- NASA engineers (JSC/MSFC) lead Design, Development, Test and Evaluation of Ares/Orion
- NASA engineers (KSC) Design, Development, Test and Evaluation of ground systems

ESMD CxP

Lunar Development

- NASA engineers (JSC/MSFC) lead Design, Development, Test and Evaluation of Ares V / Altair, Orion Block Upgrades
- NASA engineers (KSC) lead Design, Development, Test and Evaluation of lunar-ISR and ground systems

ESMD

LEO

Lunar

Transition from ESMD to SOMD Program

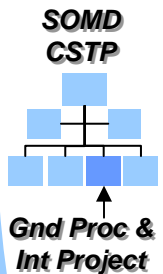
- NASA engineers participate in design and development of flight hardware for CSTP
- NASA engineers lead design and development of critical ground systems for CSTP

SOMD CSTP

LEO Operations

- NASA Engineering Subsystem Managers
 - Lead sustaining engineering for flight hardware
 - Lead data analysis and evaluation
 - Lead problem resolution
- NASA engineers perform analysis and evaluation of production, processing, and flight performance data

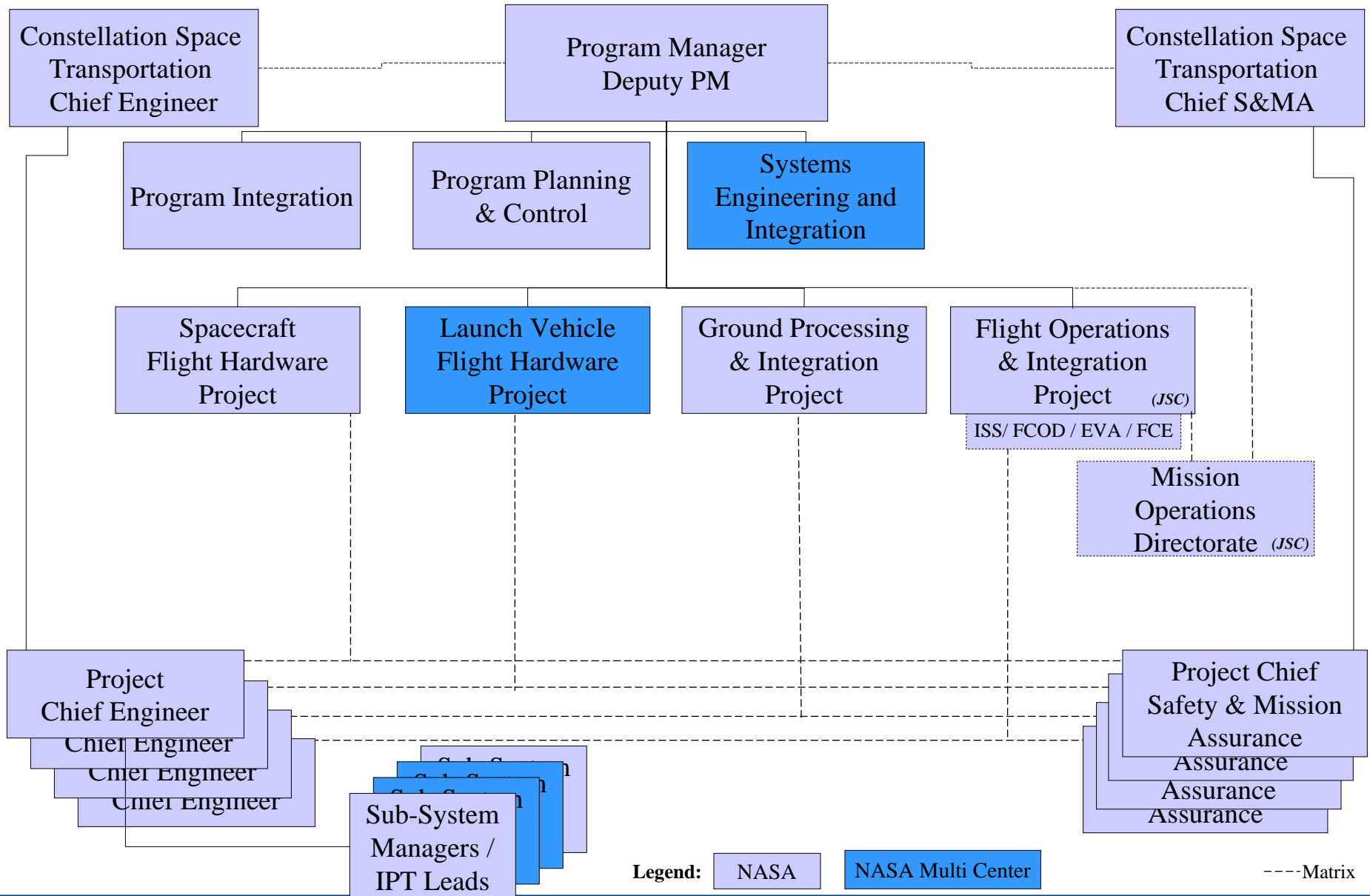
- NASA engineers lead sustaining engineering for flight and ground systems
- NASA engineers lead development of integrated processes



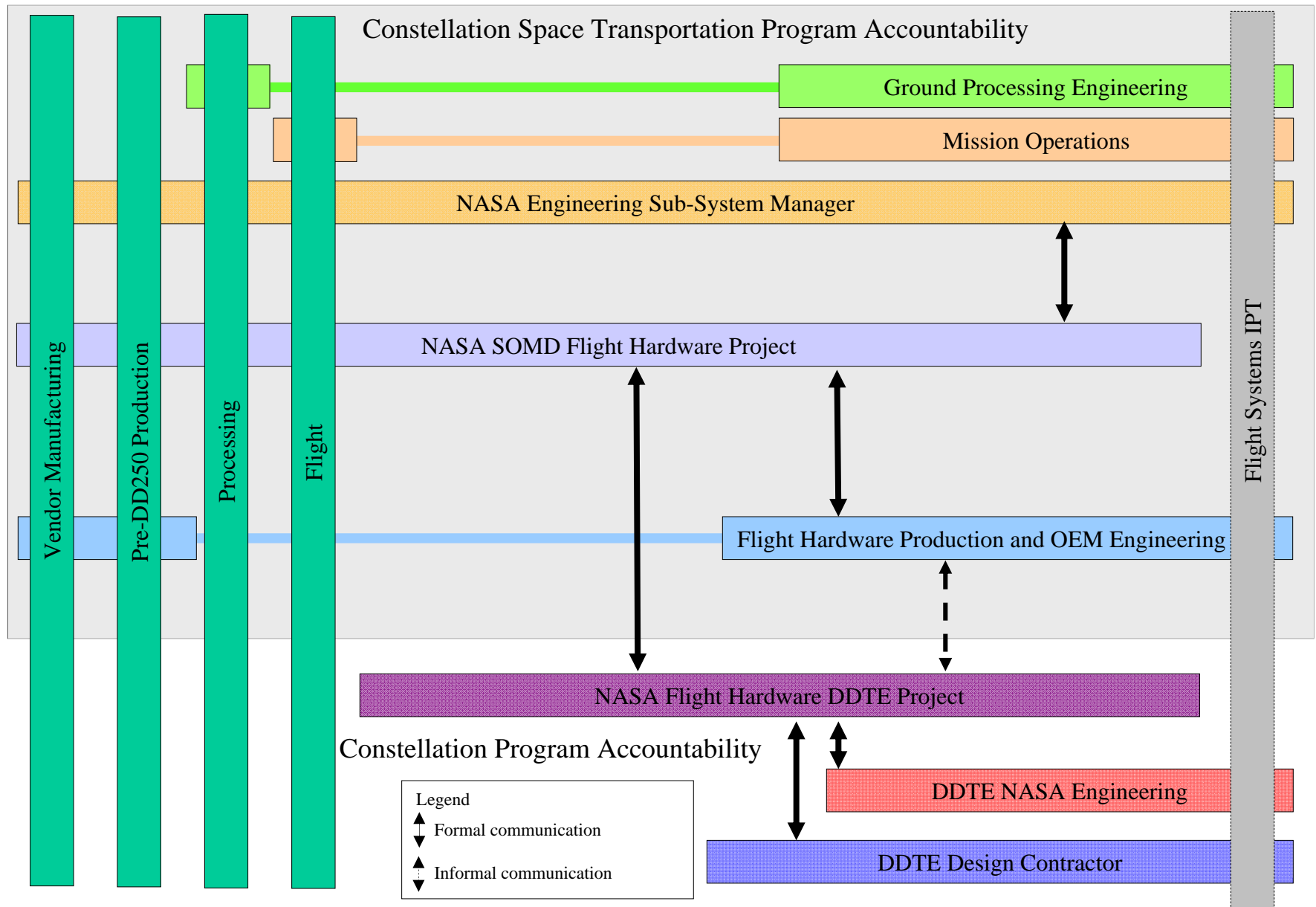
Time

Constellation Space Transportation Program

End State



Post –DDTE Flight Hardware Functional Responsibility



CSTP Implementation Plan

